

PROJECT ORGANIZATION -- GROUND PHOTOGRAPHY
MENSURATION MANUAL

A. Introduction

STATINTL [redacted] has prepared a plan for the performance of Contract [redacted] "Training Manual -- Collection and Field Mensuration Techniques for Ground Photographs." This plan has been organized into major work steps, some of which will be performed in parallel while others will be sequential.

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B. Project Plan

Task 1.0 - Collection and Development of Metrical Techniques

Sub-Task 1.1 - Information Search

Various publication sources will be investigated in the fields of perspective, photogrammetry, and cartography. Open source libraries, such as the Library of Congress and OTS, are prime agencies for search, but classified libraries will be unavailable due to the unclassified nature of the manual. It is anticipated that selected military publications and information will be made available through the contractor. The intent is to collect information on existing techniques which will be suitable for the manual.

Sub-Task 1.2 - Technique Development

Mensuration techniques will be developed where necessary to provide multiple and varied capabilities in data extraction in the manual. These techniques will be essentially graphical in nature and will include principles of perspective, photo-map correlations, and photogrammetry---surveying relationships. Consultants will be employed where appropriate.

Task 2.0 - Photographic Collection and Data Reduction

Sub-Task 2.1 - Field Photo Collection

Miniature camera photography will be obtained for use as illustrations in the manual. These photographs will simulate the types of perspective the field man will be expected to obtain, illustrating sites, angular orientations, and photo spacing. Such photography will include a variety of objects, in both interior and exterior scenes.

Sub-Task 2.2 - Control Site Photography

This Task includes locating a suitable control site, developing a plan for the photography, utilizing the site or sites, obtaining the data, and finally processing the photography.

Sub-Task 2.3 - Data Reduction

Sub-Task 2.3.1 - Field Mensuration Techniques

Field data reduction techniques of selected photography will be performed.

Sub-Task 2.3.2 - Control Site Photography Data

Reduction

Coordinate readout will be performed by a subcontractor. Data reduction will be done by ☐ personnel and a sub-STATINTL contractor.

Task 3.0 - Basic Manual Preparation

Sub-Task 3.1 - Sample Development

Sample material will be developed prior to meeting with contracting agency personnel. Various formats and approaches will be presented and discussed in order to decide the boundaries for the project, such as scope, detail, publication limitations, volume, and longevity.

Sub-Task 3.2 - Part I and Part II Development

These two parts will be developed concurrently after the basic decisions relative to project boundaries have been decided.

Task 4.0 - Manual Refinement

Consultants in the field of education will be used to assist in altering and refining methods of presentation. Programmed learning will be applied where appropriate.

Task 5.0 - Manual Testing

Photogrammetrists, educational specialists, and laymen will be used to perform required functions. Manual modifications will be made as appropriate.

Task 6.0 - Preparation of the Final Manuscript

The necessary functions required to produce the final manuscript for the manual will be performed, such as editing, drafting, layout, negative preparation, and other details.

Task 7.0 - Final Report

The Final Report will consist of the project resume, theory of the techniques used in the manual, theory and details of the control site solutions, and the educational principles employed.

TIME PROGRESS CHART -- Contract

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**"Training Manual -- Collection and Field Mensuration
Techniques for Ground Photography"**

Time - Months

Task	July	August	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March
1.0									
1.1									
1.2									
2.0									
2.1									
2.2									
2.3									
2.3.1									
2.3.2									
3.0									
3.1									
3.2									
4.0									
5.0									
6.0									
7.0									